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## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

## LISTING OF CLAIMS:

1-10. (canceled).

11. (previously presented): A method for preparing a gold sulfide colloid comprising reacting a solution of an Au(I) complex represented by formula (2) with a solution containing a sulfur compound in a protective colloid solution:

$$[L^{1}-Au(I)-(L^{2})_{m}]X_{n}$$
 (2)

wherein L<sup>1</sup> represents a compound represented by formula (1), L<sup>2</sup> represents a compound represented by formula (1) or a halogen atom, provided that L<sup>1</sup> and L<sup>2</sup> may be the same or different or may be combined, X represents a counter salt necessary for neutralizing the electric charge of the compound, m represents 0 or 1, and n represents a value of 0 to 1 and may be a decimal;

$$R^1-Ch-R^2 \qquad (1)$$

wherein R<sup>1</sup> and R<sup>2</sup> each independently represents an alkyl group, an alkenyl group, an alkynyl group, an aryl group or a heterocyclic group, R<sup>1</sup> and R<sup>2</sup> may combine with each other to form a 3-, 4-, 5-, 6- or 7-membered ring, and Ch represents a sulfur atom, a selenium atom or a tellurium atom.

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- 12. (canceled).
- 13. (currently amended): A method of chemically sensitizing a silver halide emulsion, which comprises:
- (a) preparing a gold sulfide colloid by reacting a solution of an Au(I) complex represented by formula (2) with a solution containing a sulfur compound in a protective colloid solution:

$$[L^{1}-Au(I)-(L^{2})_{m}]X_{n}$$
 (2)

wherein L<sup>1</sup> represents a compound represented by formula (1), L<sup>2</sup> represents a compound represented by formula (1) or a halogen atom, provided that L<sup>1</sup> and L<sup>2</sup> may be the same or different or may be combined, X represents a counter salt necessary for neutralizing the electric charge of the compound, m represents 0 or 1, and n represents a value of 0 to 1 and may be a decimal;

$$R^{1}$$
-Ch- $R^{2}$  (1)

wherein R<sup>1</sup> and R<sup>2</sup> each independently represents an alkyl group, an alkenyl group, an alkenyl group, an alkenyl group, an aryl group or a heterocyclic group, R<sup>1</sup> and R<sup>2</sup> may combine with each other to form a 3-, 4-, 5-, 6- or 7-membered ring, and Ch represents a sulfur atom, a selenium atom or a tellurium atom; and

(b) chemically sensitizing a silver halide emulsion using a the gold sulfide colloid prepared according to the method claimed in claim 11.

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## 14-23. (canceled).

- 24. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, wherein  $L^1$  and  $L^2$  in formula (2) are the same compound and the metal complex is a symmetric gold complex.
- 25. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, wherein in formula (2), either  $L^1$  or  $L^2$  is substituted by at least one water-soluble group.
- 26. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, wherein in formula (2),  $L^1$  and  $L^2$  are substituted by at least one water-soluble group.
- 27. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, wherein the reaction temperature is from 0 to 100°C.
- 28. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, wherein one of said solution of an Au(I) complex represented by formula

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(2) and said solution containing a sulfur compound is added to said protective colloid solution

first and the other is added later.

(previously presented): The method for preparing a gold sulfide colloid as 29.

claimed in claim 11, wherein both of said solution of an Au(I) complex represented by formula

(2) and said solution containing a sulfur compound are simultaneously added dropwise to said

protective colloid solution.

30. (previously presented): The method for preparing a gold sulfide colloid as

claimed in claim 11, wherein the gold concentration of the gold sulfide colloid is, in terms of the

gold atom concentration, from 0.1 to 100 mmol/kg.

31. (previously presented): The method for preparing a gold sulfide colloid as

claimed in claim 11, wherein the sulfur compound is added in an amount of from 0.5 to 10 molar

times amount of the Au(I) complex represented by formula (2).

32. (previously presented): The method for preparing a gold sulfide colloid as

claimed in claim 11, wherein the colloidal gold sulfide is prepared without producing

environmentally harmful cyan ion.

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33. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, further comprising preparing said solution of an Au(I) complex represented by formula (2) by adding an excess amount of a compound represented by formula (1) to a solution of an Au(III) compound.

- 34. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 33, wherein said Au(III) compound is selected from the group consisting of chloroauric acid, sodium tetrachloroaurate, sodium tetrabromoaurate, potassium tetrachloroaurate, potassium tetrabromoaurate, ammonium tetrachloroaurate, ammonium tetrabromoaurate, auric chloride, auric bromide, auric iodide, potassium auric iodide and Au(III) hydroxide.
- 35. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 33, wherein said excess amount is 2 to 100 molar times.
- 36. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, wherein said solution containing a sulfur compound comprises a labile sulfur compound selected from the group consisting of a thiosulfate, thiourea, thioamide, rhodanine, phosphinesulfide, thiohydantoin, 4-oxo-oxazolidine-2-thione, disulfide, dipolysulfide, mercapto compound, polythionate, elemental sulfur, hydrogen sulfide, sodium sulfide, sodium hydrosulfide, and active gelatin and water or an organic solvent.

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- 37. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, wherein said protective colloid solution is selected form the group consisting of gelatin, gelatin derivative, graft polymer of gelatin with another polymer, albumin, casein; sugar derivative, cellulose derivative, sodium alginate, starch derivative; and homo- or co-polymer of polyvinyl alcohol, polyvinyl alcohol partial acetal, poly-N-vinylpyrrolidone, polyacrylic acid, polymethacrylic acid, polyacrylamide, polyvinylimidazole and polyvinylpyrazole.
- 38. (previously presented): The method for preparing a gold sulfide colloid as claimed in claim 11, wherein said protective colloid solution is gelatin.
- 39. (previously presented): The method for chemically sensitizing a silver halide emulsion as claimed in claim 13, wherein  $L^1$  and  $L^2$  in formula (2) are the same compound and the metal complex is a symmetric gold complex.
- 40. (previously presented): The method for chemically sensitizing a silver halide emulsion as claimed in claim 13, wherein in formula (2), either L<sup>1</sup> or L<sup>2</sup> is substituted by at least one water-soluble group.

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41. (previously presented): The method for chemically sensitizing a silver halide emulsion as claimed in claim 13, wherein in formula (2),  $L^1$  and  $L^2$  are substituted by at least one water-soluble group.